

# Notice of Allowability

Application No.

09/332,919

Examiner

Phu K. Nguyen

Applicant(s)

DEERING ET AL.

Art Unit

2673

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the correspondence filed 8/3/05 and interview on 8/16/05.
2. ☒ The allowed claim(s) is/are 14-21 and 23-33.
3. ☒ The drawings filed on 14 June 1999 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 8/16/05
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other AF Amendment <sup>(8/3/05)</sup> is NOT entered. PN

*Phu K. Nguyen*  
**PHU K. NGUYEN**  
**PRIMARY EXAMINER**  
**GROUP 2300**

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EXAMINER'S AMENDMENT:

According to Applicant's agreements on telephone interview on August 16, 2005, the amendment after final filed August 3, 2005 will NOT be entered; and the claims are amended as following:

Cancel claims 34-58; and

In claim 16, line 1, replacing "performingadditional" by – performing additional --.

In claim 17, line 3, inserting – and – before "said performing".

REASON FOR ALLOWANCE:

The following is an examiner's statement of reasons for allowance:

Claim 14 is allowed because no prior art suggests or implies, in a method for decompressing and rendering compressed 3D geometry data comprising the steps of detecting control information within said compressed 3D geometry data; routing said blocks to one or more decompressors according to said control information, wherein said decompressors are configured to decompress each said block into a plurality of vertices and a plurality of corresponding mesh buffer references, transforming said vertices from a first coordinate reference frame to a second coordinate reference frame, detecting control information within the compressed 3D geometry data and routing blocks of data to one or more decompressors according to said control information.

Claims 15-20 are allowed because they depend on allowed claim 14; and claim 21 is allowable for claiming a system performing the steps of claim 14.

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Claim 23 is allowed because no prior art suggests or implies, in a graphics system for decompressing and rendering compressed 3D geometry data comprising a control unit configured to receive compressed 3D geometry data as a plurality of blocks; and a plurality of decompress pipelines, wherein said control unit is configured to selectively route said blocks to one or more of said decompress pipelines, wherein said plurality of decompress pipelines are configured to decompress said blocks into a plurality of vertices, to cache said blocks of compressed vertex information to a memory, and to retrieve said cached blocks of compressed vertex information from said memory as said blocks are required by said decompress pipelines.

Claims 24-32 are allowed because they depend on allowed claim 23.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phu K. Nguyen whose telephone number is (571) 272 7645. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, bipin Shalwala can be reached on (571) 272 7681. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phu K. Nguyen  
August 16, 2005

  
PHU K. NGUYEN  
PRIMARY EXAMINER  
GROUP 2300